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Goyal 7-16-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

jc922 U.S. PTO
09/698437
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Applicant(s): V.K. Goyal et al.
Case: 7-16-1
Serial No.: To Be Assigned
Filing Date: October 27, 2000
Title: Methods and Apparatus for Wireless Transmission
Using Multiple Description Coding
Group: To Be Assigned
Examiner: To Be Assigned

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

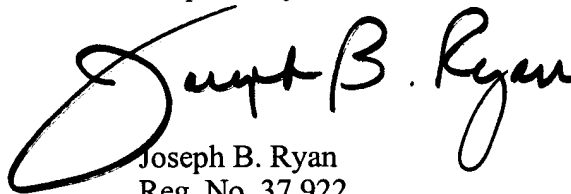
Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants' attorney wishes to bring to the attention of the Patent and Trademark Office the following documents listed on the accompanying Form PTO-1449. A copy of each listed document is enclosed.

1. V.A. Vaishampayan, "Design of Multiple Description Scalar Quantizers," IEEE Trans. Inform. Th., 39(3), pp. 821-834, May 1993.
2. V.A. Vaishampayan et al., "Design of Entropy-Constrained Multiple-Description Scalar Quantizers," IEEE Trans. Inform. Th., 40(1), pp. 245-250, January 1994.
3. V.A. Vaishampayan et al., "Asymptotic Analysis of Multiple Description Quantizers," IEEE Trans. Inform. Th., 21 pages, 1994.
4. A. Ingle et al., "DPCM System Design for Diversity Systems with Applications to Packetized Speech," IEEE Trans. Sp. and Audio Proc., 3(1), pp. 48-57, January 1995.
5. V.A. Vaishampayan, "Application of Multiple Description Codes to Image and Video Transmission over Lossy Networks," 7th Int'l Workshop on Packet Video, 18-19, 6 pages, March 1996, Brisbane, Australia.

Applicants' attorney also brings to the attention of the Office the following U.S. Patent Applications: Serial No. 09/030,488 filed February 25, 1998 and entitled "Multiple Description Transform Coding Using Optimal Transforms of Arbitrary Dimension;" Serial No. 09/163,655 filed September 30, 1998 and entitled "Multiple Description Transform Coding of Images Using Optimal Transforms of Arbitrary Dimension;" Serial No. 09/190,908 filed November 12, 1998 and entitled "Multiple Description Transform Coding of Audio Using Optimal Transforms of Arbitrary Dimension;" and Serial No. 09/533,232 filed March 23, 2000 and entitled "Methods And Apparatus For Lattice-Structured Multiple Description Vector Quantization Coding."

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or as an admission that the information cited is considered to be material to patentability, or as a representation that no other material information exists.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Joseph B. Ryan". The signature is fluid and cursive, with a large initial "J" and a stylized "B".

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